



# Fire Protection Training

Procedures Handbook 4300

HOSE

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**TOPIC:** Fire Hose Couplings, Inspection During Bedding Operations

**TIME FRAME:** :15

**LEVEL OF INSTRUCTION:** Level I

**BEHAVIORAL OBJECTIVE:**

*Condition:* A written quiz

*Behavior:* The student will identify the inspection procedures for hose couplings during loading operations.

*Standard:* With a minimum of 80% accuracy

**MATERIALS NEEDED:**

- One (1) length of fire hose with male and female couplings
- One (1) length of fire hose with Storz coupling
- Appropriate visual aids
- Audio visual equipment

**REFERENCES:**

- IFSTA, Essentials of Fire Fighting, 5<sup>th</sup> Edition, Chapter 13

**PREPARATION:** Before any piece of equipment is placed on the apparatus it should be in operating condition. Hose couplings are vital for attaching lengths of hose and hose appliances. If damaged couplings are not discovered during bedding operations they can significantly slow fire fighting operations.



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FIREHOSE COUPLINGS, INSPECTION  
DURING BEDDING OPERATIONS

PRESENTATION	APPLICATION
<p><b>I. WHEN COUPLING HOSES OR APPLIANCES TO HOSE, THE ITEMS USED MUST BE INSPECTED FOR THE FOLLOWING:</b></p> <p>A. Male Coupling</p> <ol style="list-style-type: none"><li>1. Is attached to hose or appliance tightly</li><li>2. Threads are in good condition</li><li>3. Coupling is round</li><li>4. Coupling is free of burrs</li><li>5. Coupling is clean</li></ol> <p>B. Female Coupling</p> <ol style="list-style-type: none"><li>1. Is attached to hose or appliance tightly</li><li>2. Threads are in good condition</li><li>3. Coupling is round</li><li>4. Coupling is free of burrs</li><li>5. Coupling is clean</li><li>6. Swivel spins freely</li><li>7. Swivel gasket is in place</li></ol> <p>C. Storz Coupling</p> <ol style="list-style-type: none"><li>1. Is attached to hose or appliance tightly</li><li>2. Coupling is free of burrs</li><li>3. Coupling is clean</li><li>4. Swivel spins freely</li><li>5. Gasket is in place and clean<ol style="list-style-type: none"><li>a. Lubricate as needed per Manufacturer's recommendations</li></ol></li><li>6. Connecting lugs are not damaged</li></ol>	<p>What items should be inspected?</p>
<p><b>II. WHEN CONNECTING COUPLINGS TOGETHER FOR BEDDING OPERATIONS, ADDITIONAL CARE MUST</b></p>	

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PRESENTATION	APPLICATION
<p><b>BE TAKEN TO COMPLETE OR ENSURE EACH OF THE FOLLOWING IS DONE:</b></p> <ul style="list-style-type: none"><li>A. That flat sides of the hose are in the same plane (i.e., flat to flat)</li><li>B. That couplings are connected “hand tight” ONLY<ul style="list-style-type: none"><li>1. May have to loosen by hand on fireground if full bed is not used</li></ul></li><li>C. That wrenches and undue force are not used</li><li>D. That threads are not crossed<ul style="list-style-type: none"><li>1. Higbee cut is intended to prevent this</li></ul></li></ul>	



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## ***SUMMARY:***

Hose couplings require frequent attention and inspection. If inspections are not done properly, fireground operations may fail resulting in loss of life or significant property damage.

## ***EVALUATION:***

A written quiz.

## ***ASSIGNMENT:***

To be determined by instructor(s).